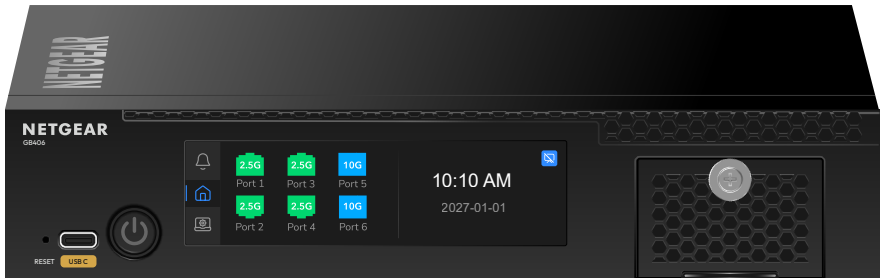


Installation Guide

NETGEAR Align Controller Model GB406



Package contents

- GB406 Align Controller
- Power adapter (power plug varies by region)
- Rubber footpads for tabletop installation
- Rack-mount kit
- Console cable (UART/USB)
- SFP+ socket rubber caps
- Documentation download flyer

Support

For product support and to access the latest product firmware, visit netgear.com/support.

Regulatory and Legal

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à netgear.com/support/enterprise.

(If this product is sold in Canada, you can access this document in Canadian French at netgear.com/support/enterprise.)

For safety and regulatory compliance information including the EU Declaration of Conformity, visit netgear.com/about/regulatory/.

See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit netgear.com/about/privacy-policy.

Where permitted by law, by using this device, you are agreeing to NETGEAR's Terms and Conditions at netgear.com/about/terms-and-conditions. If you do not agree, return the device to your place of purchase within your return period.

This product is designed and warranted for indoor use only. Do not use this device outdoors. The PoE source is intended for intra-building connection only.

September 2026

NETGEAR, Inc.

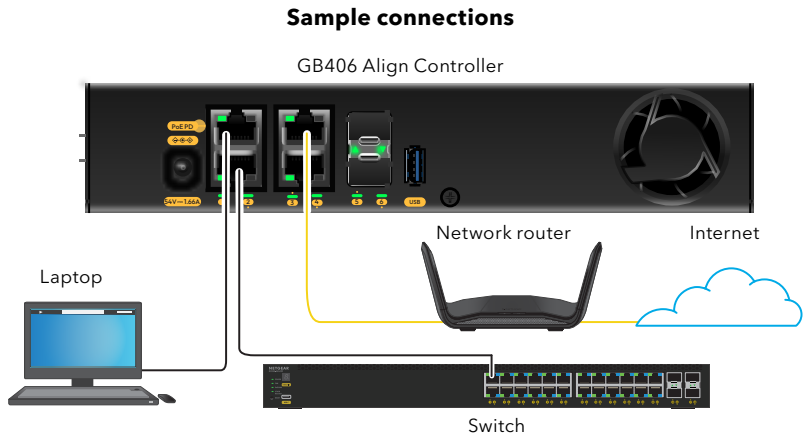
NETGEAR INTERNATIONAL LTD



201-32971-03

©2026 NETGEAR, Inc., NETGEAR and the NETGEAR Logo are trademarks of NETGEAR, Inc. Any non-NETGEAR trademarks are used for reference purposes only.

1. Connect the controller



2. Set up the controller

Prepare the installation site so that mounting, access, power source, and environmental requirements are met.

1. Install the controller using one of the following methods:
 - **On a flat surface:** Attach the rubber footpads to the four concave spaces on the bottom of the controller.
 - **In a rack:** Use the rack-mount kit that is supplied with your controller.
2. Configure a computer with a static IP address of 192.168.1.12 and a subnet mask of 255.255.255.0.
NOTE: 192.168.1.12 must be an unoccupied address on the network.
3. Connect the controller to the 54V power adapter.
Alternatively, you can connect to a PoE++ port. If both power options are connected, the power adapter takes priority.
The GB406's LCD screen displays the management IP address.
4. Use an Ethernet cable to connect your controller to your router.
5. Connect your controller to a computer connected to the same network as the controller.

6. Type the device's IP address into your browser's address bar. The factory default IP address is **192.168.1.250**.

NOTE: For more information about these requirements, the hardware setup process, the LEDs, and how to connect devices, see the hardware installation guide, which you can download by visiting netgear.com/support/enterprise.

NOTE: We recommend that you use a Category 5e (Cat 5e) cable or higher-rated cable for Gigabit Ethernet connections.

3. Complete the site setup

On the very first startup, the Get Started page displays. To log in for the first time:

1. Set the following information:
 - **Password:** The password must be 8 to 64 characters in length and must contain at least one uppercase letter, one lowercase letter, and one number. The following special characters are allowed: !@#\$%^&*(). To make the password visible, click the eye icon.
 - **Confirm Password:** Confirm the password.
 - **Password Hint:** Enter a password hint (optional).
2. Select the checkbox to accept NETGEAR's terms and conditions.
3. Click the **Next** button.
The Set Up Management IP page displays.
4. On the Set Up Management IP page, in the Access IP Address section, select one of the following radio buttons:
 - **Static IP:** Use a static IP address to access the controller. Make sure that this IP subnet does not conflict with your existing network connected to the controller. Enter the following information:
 - IP Address: Enter a new IP address. The default address is 192.168.1.250.
 - Subnet Mask: Enter a new subnet mask. The default mask is 255.255.255.0.
 - Gateway: Optionally, you can enter a different gateway. The default gateway is 192.168.1.1.

- DNS Server 1: Optionally, you can enter a DNS server.
- Optionally, you can click the **I would like to set up a DHCP server for this port - the controller will automatically assign an IP address to your PC from the range below** checkbox. Enter the following information:
 - Start IP Address: Enter a start IP address. The default address is 192.168.1.100.
 - End IP Address: Enter a start IP address. The default address is 192.168.1.200.
 - Subnet Mask: The field is automatically set at 255.255.255.0. You cannot change the subnet mask for the IP address range.
 - Router: Optionally, you can enter a router . The default router is 192.168.1.1.
 - DNS Server 1: Optionally, you can enter a DNS server.
- **DHCP Client:** The IP address, subnet mask, gateway, and DNS server is assigned by the DHCP server after you finish setup. Optionally, you can click the **Use the gateway from the DHCP server as Align Controller's default route** checkbox.

5. Click the **Finish** button.
To complete the setup, onboard Engage to the controller. For more information, see the user manual, which you can download by visiting netgear.com/support/enterprise.
6. When you log back in to the controller, the Login page displays. Enter a username and the password you specified during set up.
The default username is **admin**.

4. Check the LEDs

When you connect the power cord to the controller and plug it into an electrical outlet, the LEDs indicate the status.

LED	Description
Power	 Solid white: The controller is powered on and operating normally.
	 White, fading in and out: The controller is rebooting or updating firmware.
	 Amber, fading in and out: The controller reboot failed or an error occurred.
	 Amber, fading in and out fast: Factory reset in progress.
	 Off: Power is not supplied to the controller.
2.5G port LED	 Solid green: 2.5G link on this port.
	 Blinking green: 2.5G activity on this port.
	 Solid yellow: 100 Mbps or 1G link on this port.
	 Blinking yellow: 100 Mbps or 1G activity on this port.
	 Off: No link is detected on this port.
10G SFP+ Port LED	 Solid green: The SFP+ port established a 10G link.
	 Blinking green: The SFP+ port is transmitting or receiving packets at 10G.
	 Solid yellow: The SFP+ port established a 1 Gbps link.
	 Blinking yellow: The SFP+ port is transmitting or receiving packets at 1 Gbps.
	 Off: No SFP+ module link is established on the SFP+ port.

LCD display

The front-panel LCD screen shows the current system status:

Display	Description
Main Screen (Dashboard)	Device is fully operational. The LCD shows the port dashboard with link status, speed (1G/2.5G/10G), and connection indicators. Use the touch icons to navigate to Information, Settings, and Notifications.

Display	Description
BOOTING	Device is booting up and applying configuration
FIRMWARE UPGRADE	A firmware update is being installed – do not power off
ERROR	A system error has occurred – check the LCD display for detail

Technical specifications

Specification	Description
Ethernet network interfaces	Ports 1-4: 100M/1G/2.5GBASE-T RJ-45 ports
10G SFP+ ports	Ports 5-6: 10G SFP+ ports
LCD display	Status user interface
Power adapter	54V @ 1.66A DC input
Power consumption	71W maximum
Dimensions (W x D x H)	8.7 x 9.1 x 1.7 in. (220 x 230.2 x 43.2 mm)
Weight with power adapter	4.6 lb (2096 g)
Operating temperature	32 to 113° F (0 to 45° C)
Operating humidity	10 to 90% relative humidity, noncondensing
Maximum operating altitude	10,000 ft. (3,000 m)
Storage temperature	-4 to 158° F (-20 to 70° C)
Storage humidity	5 to 95% relative humidity, noncondensing
Maximum storage altitude	10,000 ft. (3,000 m)